

Abstract

The invention relates to a method for heat treating cast parts produced from a light metal melt, in particular an aluminium melt, with which inherent stresses of castings with a complex form may be eliminated particularly effectively, and can simultaneously be used inexpensively and efficiently in the framework of series production. For this purpose, the respective cast part is quenched after an annealing treatment or is quenched from the casting heat, after quenching is cooled to a low temperature and following low temperature cooling is suddenly heated to a high temperature in that it is immersed in a salt melt, of which the temperature is above the boiling temperature of water at normal pressure.